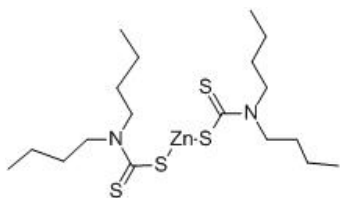


# ACTMIX ZDBC-80GE F140

## Accelerator ZDBC (BZ)

ACTIVE MATERIAL



Zinc dibutyldithiocarbamate  
 $C_{18}H_{38}N_2S_4Zn$   
 M.W.: 476.14  
 CAS: 136-23-2  
 EINECS: 205-232-8

**PROPERTIES:**

ZDBC is an ultrafast accelerator of natural and synthetic rubber such as EPDM, SBR, NBR. Thiurams and thiazoles accelerator can lower curing rate and improve processing safety. Compared to ZDEC, ZEPC and ZDMC, ZDBC has a shorter scorching time and longer curing time. A little ZDBC is also a assistant accelerator of thiols or thiurams accelerator. Its vulcanizate has excellent tensile strength and resilience. Heat resistance in NR and IR can be improved by using together with antioxidant.

**DOSAGE:**

For NR: 0.6-1.0phr;  
 As a secondary accelerator:  
 0.1-0.2phr  
 For SBR/NBR: 0.6-1.2phr.  
 As a secondary accelerator:  
 0.1-0.2phr  
 For EPDM: 1.5-2.5phr.

**TYPICAL VALUES:**

Initial melting point: 104°C  
 Purity: Min 97%  
 Zinc content: 13.0-15.0%  
 Heat loss: Max 0.5%  
 63µm sieve residue: Max 0.5%

MASTERS

PRODUCT	Active Content (%)	Appearance	Filtration (µm)	Binder	Sulfur Content (%)	Density (g/cm <sup>3</sup> )
<b>Actmix ZDBC-80GE F140</b>	80	White Granules	140	EPDM/EVM	21.0	1.05

\* Binder type can be customized. Except for EPDM/EVM, others binders, such as NBR, SBR, AR, ECO also can be available for.

**SAFETY&TOXICITY:**

Please refer to related SDS.

**PACKAGING&STORAGE:**

Net weight 25kg/PE bags lined carton; Net weight 600 kg/pallet.  
 Shelf-life: 1 year in its original packaging  
 Stored in a dry and cool place.

**Compared to traditional ZDBC powder, Actmix ZDBC-80GE F140 allows:**

- Dust free products with a complete filtration up to 100µm, no skin sensitization, health guard of operators.
- Effective guarantee of activity of ZDBC due to pre-dispersed masterbatch.
- Tack free products at room temperature, convenience and accuracy on ingredients.
- Lower Mooney viscosity at lower temperature (50°C), higher quality of dispersion.
- Impurity free, blocked filter free of extrusive products, scrap rate reduction and higher productivity thanks to filtration.
- Wider compatibility with other elastomers.

G: granule, P: plate, E: EPDM binder, N: NBR binder, S: SBR binder, A: ACM binder, EO: ECO binder, F140: filtration and micron number of filter  
 The information contained in this leaflet is based on tests carried out by our laboratories and data selected from references. Therefore it is not valid legally and does not signify any guarantee to customers of successful applications of the product according to their own formulas. However, our company will offer professional services in technology at utmost to facilitate customers to achieve expected purpose of product applications.